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5 December 1967

MEMORANDUM FOR: Chief, Contracts Management Division, OSA

SUBJECT: Request for Work Order Under []
Contract SA-5304

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1. It is requested that a work order be implemented under Contract SA-5304 with [] to cover the scope of work on System 13C described in paragraph 2. The estimated cost of the work order is \$20,000.

2. The scope of work will include studies and simulation support on:

a. Increase of modulator ON time from the present 0.5 usec to 0.8 usec. A quick look will be made re system performance on the General Dynamics simulator and a design study for redesign of the modulator to assure minimum (0.25 usec) interpulse recovery time will be accomplished. Hardware retrofit will be accomplished under a separate task.

b. Increase the capability of SSL to recognize interpulse delay and to assure minimum false alarm. This will be a design study. Hardware retrofit will be accomplished under a separate task.

c. Provide a noise [] mode synched to the L-band guidance signal activity.

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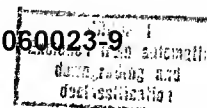
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d. Provide technical support and breadboard circuitry to make preliminary evaluations of a, b, and c above on the General Dynamics simulator the week of 4 December 1967.

3. Funds are available in the NRO approved FY-1968 [] 25X1A budget as follows:

<u>Category</u>	<u>Line Item</u>	<u>NRO Approved</u>	<u>Previous Obligation</u>	<u>Current Obligation</u>
II	System 13C	\$100,000	\$92,000	\$ 8,000
II	System 9DR	\$200,000	\$40,000	\$12,000

Expenditure of these funds was not forecasted in the Second Quarterly Forecast. The expenditure is to develop a capability to counter a change in the operational environment, and it is in the best interest of the Government to do it now. [] extension 7671, is the ASD/OEL technical officer for the project.

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Chief, Air Systems Division
OEL

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